

CLAIMS

1. A culture medium for filamentary fungi comprising at least one carbon source chosen from the group consisting of molasses, malt extract and sucrose and at least one organic nitrogen source chosen from yeast extract and corn steep liquor.
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2. A culture medium according to claim 1, wherein said at least one carbon source constitutes 70 to 85% by weight of the dry weight of the culture medium and said at least one organic nitrogen source constitutes 15 to 30% by weight of the dry weight of the culture medium.
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3. A culture medium according to claim 1 or 2, further comprising a mineral nitrogen source.
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4. A culture medium according to claim 3, wherein said mineral nitrogen source is contained in an amount no greater than 10% by weight of the dry weight of the culture medium and preferably between 5 and 8% by weight.
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5. A culture medium according to claim 3 or 4, wherein said mineral nitrogen source consists of ammonium nitrates or salts.
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6. A culture medium according to any one of claims 1 and 2, consisting of 75-85% malt extract and 15-25% yeast extract, wherein said percentages are by weight of the dry weight of said culture medium.
7. A culture medium according to claim 1 or 2, comprising 60-65% molasses, 10-15% sucrose, 10-15% corn steep liquor and 10-15% yeast extract.
8. A culture medium according to claim 7, further comprising 5 to 8% of a mineral nitrogen source.

9. A culture medium according to claim 8, wherein said mineral nitrogen source consists of diammonium hydrogen phosphate.

10. A culture medium according to claim 1 or 2, 5 containing, in percentage by weight of the dry weight of said medium, 25-20% malt extract, 40-45% molasses and 25-30% corn steep liquor.

11. A method for producing filamentary fungi, in particular nematophagus fungi, on an industrial scale, 10 comprising the step of seeding conidia of said fungi in a culture medium according to any one of claims 1 and 2 and keeping said culture medium at a temperature of 23-30°C for a time of 5-10 days to determine the reproduction and growth of the fungi.

15 12. A method according to claim 11, comprising the further step of gradually adding, preferably from the fourth day after the seeding of said conidia, small amounts of a mineral nitrogen source.

13. A method according to claim 12, wherein said mineral 20 nitrogen source consists of ammonium nitrates and salts and it is added in a total amount of no more than 10% of the dry weight of said culture medium and preferably in an amount between 5 and 8% of the dry weight of said culture medium.